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Internship

SEP Intern   **May 2024 - August 2024**
Geeks For Geeks

- **Mastered Machine Learning Algorithms**: Implemented supervised models like Linear and Logistic Regression, Decision Trees, and Random Forest, along with unsupervised techniques like K-Means and PCA.
- **Data Preprocessing and Analysis**: Conducted data cleaning, handling missing data, encoding categorical variables, and performing EDA using Matplotlib and Seaborn.
  NLP and Time Series Forecasting: Developed NLP models for text analysis (tokenization, stemming, TF-IDF) and used ARIMA for time series forecasting.
- **Real-World Projects**: Completed **Student Performance Prediction** and **Spam Email Detection** projects, applying ML algorithms to extract insights and solve practical problems.

Projects

Student Performance Prediction Project / *ML Algorithm*   **July 2023 - Aug 2023**

- Developed a machine learning model to predict student performance based on various academic and non-academic features.
- Utilized Linear Regression, Decision Trees, and Random Forest Algorithms to build and compare predictive models.
- Evaluated model performance using R-squared, MAE, and cross-validation to ensure accurate prediction.
- GitHub Repository Link: **https://github.com/solankiboy939/Student_Exam_performance**

Spam Email Detection Project: / *Python3, ML Algorithm*   **Feb 2023 - March 2023**

- Built a classification model to detect spam emails using Natural Language Processing (NLP) Technique.
- Applied text preprocessing methods like tokenization, steaming, lemmatization, and TF-IDF vectorization.
- Implemented Logistic Regression and Support Vector Machine (SVM) for accurate email classification.
- Github Repository Link: **https://github.com/Tech-Titians/CN127me**

Speech-to-Text and Text-to-Speech Converter: / *Python3, NLP Algorithm, Deep Learning*   **March 2024 - April 2024**

- **Real-time Conversion:** Seamlessly converts speech to text and vice versa with minimal latency.
- **Multilingual Support:** Supports multiple languages for both input and output.
- **Customizable Voice Output:** Allows users to adjust pitch, speed, and tone for personalized text-to-speech responses.

Certificates

Complete Data Science & Machine Learning   **August 2023**
GeeksForGeeks — Certificate Link

GenAI for Everyone   **March 2023**
Coursera — Certificate Link

Dynamic Programming, Greedy Algorithms   **March 2023**
Coursera — Certificate Link

Technical Skills

Languages C++, Java, Python

Technologies/Frameworks: Streamlit, Git, GitHub, Ubuntu, SQL

Skills: Data Structures and Algorithms, Machine Learning, Data Analysis, Problem-Solving, Scripting in Python, Natural Language Processing (NLP)

Education

Lovely Professional University Punjab   **2022 – 2026**
Computer Science and Engineering — CGPA: 6.9   *Punjab, India*

Ram Snehi Senior School   **2020 – 2021**
Intermediate — Percentage: 93.00%   *Jodhpur, Rajasthan*

Saraswati Vidhya Mandir   **2019 – 2020**
Matriculation — Percentage: 83.17%   *Jodhpur, Rajasthan*